Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/24/2018 11:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125587	0	2.46	125604	2.43
Blue	F	SSC	125000	123673	-2	2.13	124338	2.21
Blue	E	FITC	15760	15304	-3	3.07	331	23.34
Blue	D	PE	25880	25169	-3	2.07	546	17.24
Blue	B	PerCP-Cy5-5	34075	34198	0	4.32	1052	23.28
Blue	A	PE-Cy7	22776	22952	0	7.51	559	46.42
Red	C	APC	42488	41649	-2	2.77	1570	13.48
Red	A	APC-Cy7	24478	24137	-2	2.80	836	13.08
Violet	B	V450	6304	6165	-3	4.28	352	18.63
Violet	A	V500	26005	24990	-4	3.78	588	13.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20853	11.61	611	14	N/A	N/A	Pass
Blue	F	SSC	55928	1.55	581	26	N/A	N/A	Pass
Blue	E	FITC	57	75.94	564	8	0.0141	163	Pass
Blue	D	PE	114	58.57	558	9	0.1179	277	Pass
Blue	B	PerCP-Cy5-5	199	56.78	664	17	0.0069	74	Pass
Blue	A	PE-Cy7	108	115.53	716	19	0.0085	27	Pass
Red	C	APC	366	29.36	604	4	0.0199	202	Pass
Red	A	APC-Cy7	204	29.31	574	3	0.0046	1200	Pass
Violet	B	V450	58	82.64	501	12	0.0237	2390	Pass
Violet	A	V500	88	49.96	517	11	0.0122	1392	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.58	-30.97	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	15.87	13.60 - 20.40	N/A	N/A	30.70	31.37	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11811

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments